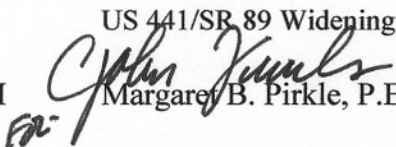


D.O.T. 66

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 422410, Clinch County **OFFICE** Preconstruction  
EDS-441(49)  
US 441/SR 89 Widening **DATE** May 24, 2005  
**FROM**  Margaret B. Pirkle, P.E., Assistant Director of Preconstruction  
**TO** SEE DISTRIBUTION

**SUBJECT NOTICE OF LOCATION AND DESIGN APPROVAL**

Attached for your further handling is the approved Location and Design Report on the above subject project.

Also attached is the Notice of Location and Design Approval. This is authorization for the District to proceed with advertisement.

MBP/cj

Attachment

**DISTRIBUTION:**

David Mulling  
Harvey Keepler  
Jamie Simpson  
Paul Liles  
Keith Golden  
Ken Thompson  
Joe Palladi (file copy)  
Babs AbubakarI  
Joe Sheffield  
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE:** EDS-441(49), Clinch County

P.I. No. 422410

US 441/SR 89 Widening

**OFFICE:** Consultant Design

**DATE:** May 11, 2005

**FROM:** *M. Babs Abubakar*  
Mohammed (Babs) Abubakari, P.E., Consultant Design Engineer

**TO:** Meg Pirkle, P.E., Assistant Director of Preconstruction

**SUBJECT:** Request for Location and Design Approval

**Description:**

EDS-441(49) in Clinch County is proposed to improve US 441 from CR 40/Tower Road & CR 204/Antioch Church Road, where it ties to Project EDS-441(48), to Wheeler Street in Homerville, Georgia. The total project length is 11.4 miles. Improvements consists of widening the existing two-lane US 441/SR 89 to a four-lane roadway with a 44 ft. depressed grassed median. Approximately 3500 feet north of the new intersection of US 441 and US 221/SR 31, the typical section tapers down to a 4-lane section with a 32 ft. median. Then, just south of the intersection of US 441 and CR 194/Bypass Road, the typical section tapers down to a 5-lane section with a 14 ft. flush median to minimize impacts to residential properties within the Homerville city limits as well as to adjacent wetlands. This section would continue to Wheeler Street in Homerville where it will tie to the proposed 5-lane section of Project EDS-84(20). Widening of the existing roadway changes sides occasionally, throughout the project, in order to minimize the impacts to adjacent wetlands, historical resources and to minimize displacements.

<b>Estimated Cost:</b>	<b>Current</b>	<b>Approved</b>
Construction (incl. E/C)	\$ 19,274,318.18	\$ 19,516,000.00
Right-of-Way	\$ 4,000,000.00	\$ 4,000,000.00
Utilities	\$ 27,500.00	\$ 27,500.00

**Concept Approval Date:** The Project Concept Approval date was October 25, 2002

**Concept Update:** N/A

**Environmental Assessment and Reassessment Approval Date:** The NEPA document was approved December 1, 2004

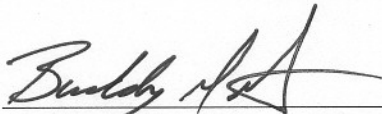
**Public Involvement:** Public Information Meeting held March 18, 2002 in Fargo and Homerville as well as March 19, 2002 in Homerville and Pearson.  
A total of 37 people attended these meetings. Results of the meetings are shown below:

Responses - 17      Oppose - 0      Support - 15      Uncommitted/Conditional - 2

**Consistency with Approved Planning:** The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

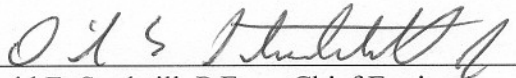
**Recommendations:** The Office of Consultant Design recommends that the location and design for project EDS-441(49) be approved and that the attached "Notice" be approved for advertising.

**RECOMMEND:**



Buddy Gratton, P.E. --- Director of Preconstruction

**APPROVE:**



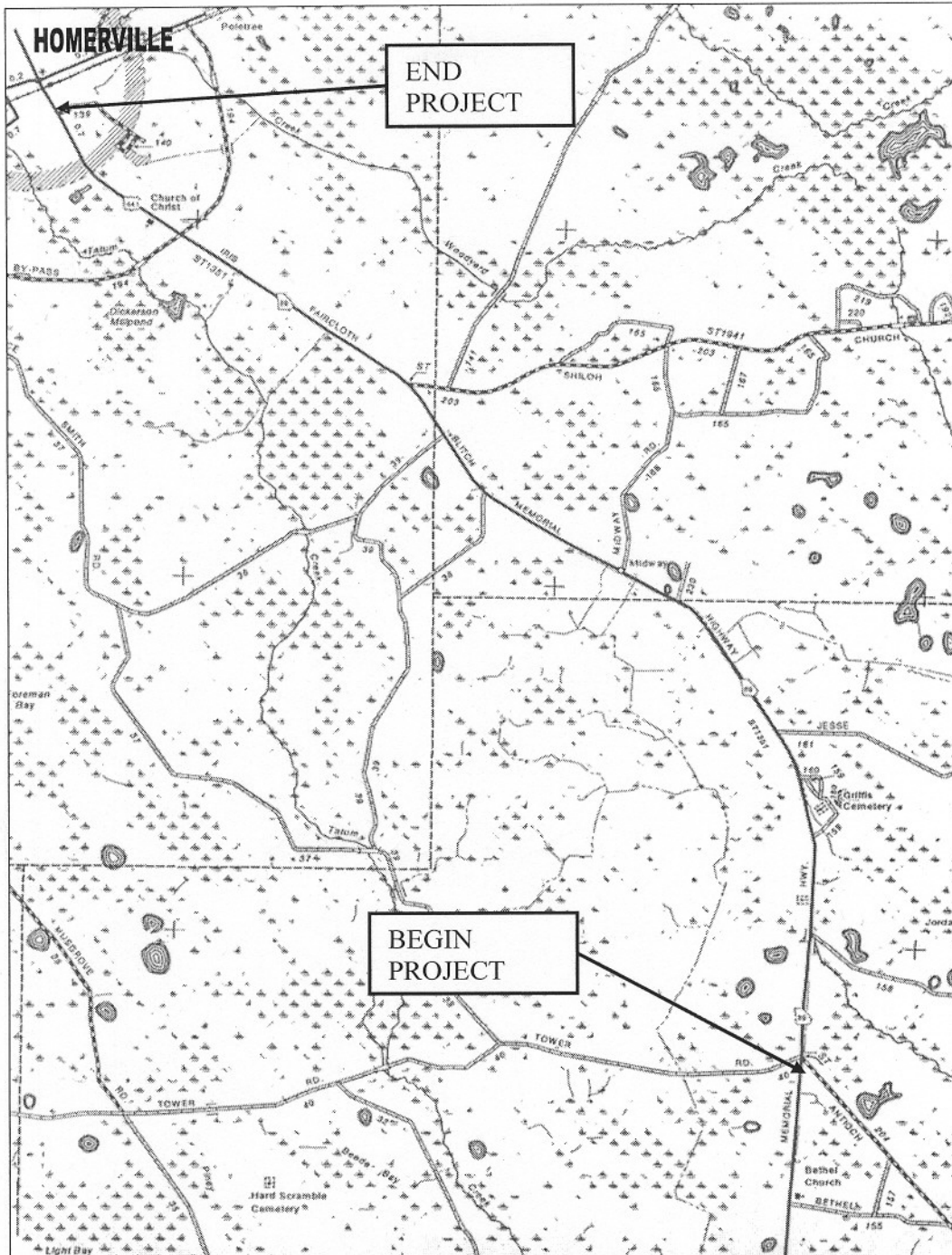
David E. Studstill, P.E. --- Chief Engineer

5/20/05

Date of Approval

**Attachments:**

- Sketch Map
- Cost Estimate
- Notice of Location and Design Approval



## Location Map

**Project:** EDS-441(49) Clinch County PI No.: 422410

**Description:** US 41 from CR 204/Antioch Church Road & CR 40/Tower Road to Wheeler Street



**PRIMINIUM**

PROJECT NUMBER: EDS-441(49)  
 DATE: May 11, 2005  
 PREPARED BY: J.B. TRIMBLE, INC.

COUNTY: CLINCH

**Section Roadway**

150-1000	1	LS	250000	TRAFFIC CONTROL - EDS-441(49)	250000
153-1300	1	EA	49749.21	FIELD ENGINEERS OFFICE TP 3	49749.21
201-1500	1	LS	750000	CLEARING & GRUBBING - EDS -441(49)	750000
205-0001	1E+05	CY	3.24	UNCLASS EXCAV	326948.4
206-0002	3E+05	CY	5.02	BORROW EXCAV, INCL MATL	1653321.94
310-1101	1E+05	TN	13.89	GR AGGR BASE CRS, INCL MATL	1578723.51
318-3000	2000	TN	15.67	AGGR SURF CRS	31340
402-1812	10024	TN	38.54	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	386324.95
402-3112	56718	TN	45.62	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	2587475.15
402-3121	1E+05	TN	36.08	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	4052613.84
402-3131	44698	TN	36.49	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1631030.02
413-1000	64168	GL	0.95	BITUM TACK COAT	60959.6
441-4030	290	SY	32.95	CONC VALLEY GUTTER, 8 IN	9555.5
441-6022	5000	LF	10.14	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	50700
500-3101	240	CY	426.84	CLASS A CONCRETE	102441.59
511-1000	20206	LB	0.63	BAR REINF STEEL	12729.78
550-1180	6160	LF	27.69	STORM DRAIN PIPE, 18 IN, H 1-10	170570.4
550-1240	1530	LF	32.63	STORM DRAIN PIPE, 24 IN, H 1-10	49923.9
550-1300	2138	LF	42.01	STORM DRAIN PIPE, 30 IN, H 1-10	89817.37
550-1360	1100	LF	50.66	STORM DRAIN PIPE, 36 IN, H 1-10	55725.99
550-1420	650	LF	63.9	STORM DRAIN PIPE, 42 IN, H 1-10	41535
550-2180	1580	LF	22.75	SIDE DRAIN PIPE, 18 IN, H 1-10	35945
550-2240	62	LF	28.2	SIDE DRAIN PIPE, 24 IN, H 1-10	1748.39
550-3518	51	EA	575.3	SAFETY END SECTION 18 IN, STORM DRAIN, 6:1 SLOPE	29340.3
550-3524	8	EA	945.51	SAFETY END SECTION 24 IN, STORM DRAIN, 6:1 SLOPE	7564.08
550-3530	14	EA	1217.89	SAFETY END SECTION 30 IN, STORM DRAIN, 6:1 SLOPE	17050.46
550-3618	96	EA	501.35	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	48129.6
550-3624	4	EA	888.9	SAFETY END SECTION 24 IN, SIDE DRAIN, 6:1 SLOPE	3555.6
550-4124	38	EA	338.19	FLARED END SECTION 24 IN, SIDE DRAIN	12851.22
550-4218	81	EA	393.05	FLARED END SECTION 18 IN, STORM DRAIN	31837.05
550-4230	24	EA	643.36	FLARED END SECTION 30 IN, STORM DRAIN	15440.64
550-4236	29	EA	863.4	FLARED END SECTION 36 IN, STORM DRAIN	25038.6
550-4242	22	EA	1009.14	FLARED END SECTION 42 IN, STORM DRAIN	22201.07
634-1200	201	EA	84.4	RIGHT OF WAY MARKERS	16964.4
641-1200	1525	LF	11.27	GUARDRAIL, TP W	17186.75
641-5001	7	EA	429.03	GUARDRAIL ANCHORAGE, TP 1	3003.21
641-5012	7	EA	1387.48	GUARDRAIL ANCHORAGE, TP 12	9712.36

668-1100	12	EA	1755.45	CATCH BASIN, GP 1	21065.4
668-2100	35	EA	1895.69	DROP INLET, GP 1	66349.15
668-2105	34	EA	3706.18	DROP INLET, GP 1, SPCL DES	126010.12
668-4300	7	EA	1751.67	STORM SEWER MANHOLE, TP 1	12261.69
Section Sub Total					\$14,464,741.31

#### Section Permanent Erosion Control

603-2181	650	SY	35.74	STN DUMPED RIP RAP, TP 3, 18 IN	23231
603-7000	650	SY	3.53	PLASTIC FILTER FABRIC	2294.5
700-6910	77	AC	743.02	PERMANENT GRASSING	57212.54
700-7000	230	TN	57.92	AGRICULTURAL LIME	13321.6
700-7010	215	GL	20.29	LIQUID LIME	4362.34
700-8000	70	TN	235.87	FERTILIZER MIXED GRADE	16510.9
700-8100	3850	LB	1.43	FERTILIZER NITROGEN CONTENT	5505.5
716-2000	2E+05	SY	1.1	EROSION CONTROL MATS, SLOPES	236500
Section Sub Total					\$358,938.39

#### Section Temporary Erosion Control

163-0232	34	AC	458.34	TEMPORARY GRASSING	15583.56
163-0240	1250	TN	194.2	MULCH	242750
163-0300	4	EA	1063.42	CONSTRUCTION EXIT	4253.68
163-0501	4	EA	749.37	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 1	2997.48
163-0503	130	EA	455.27	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	59185.1
163-0520	1000	LF	11.84	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	11840
163-0550	50	EA	177.85	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	8892.5
165-0010	5700	LF	1.01	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	5757
165-0020	1000	LF	1.05	MAINTENANCE OF TEMPORARY SILT FENCE, TP B	1050
165-0085	4	EA	178.84	MAINTENANCE OF SILT CONTROL GATE, TP 1	715.36
165-0087	130	EA	166.97	MAINTENANCE OF SILT CONTROL GATE, TP 3	21706.1
165-0105	50	EA	80.22	MAINTENANCE OF INLET SEDIMENT TRAP	4011
167-0100	2	MO	955.65	WATER QUALITY MONITORING	1911.3
167-1500	24	MO	830	WATER QUALITY INSPECTIONS	19920
171-0010	5700	LF	1.71	TEMPORARY SILT FENCE, TYPE A	9747
171-0020	1000	LF	1.67	TEMPORARY SILT FENCE, TYPE B	1670
Section Sub Total					\$411,990.08

#### Section Signing and Marking

636-1020	750	SF	13.09	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	9817.5
636-1031	518	SF	17.3	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	8961.4
636-2070	2015	LF	6.55	GALV STEEL POSTS, TP 7	13198.25
652-5451	1E+05	LF	0.12	SOLID TRAFFIC STRIPE, 5 IN, WHITE	12502.08
652-5452	1E+05	LF	0.12	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	12929.03
652-5701	383	LF	2.25	SOLID TRAF STRIPE, 24 IN, WHITE	861.75
652-6501	90645	GLF	0.07	SKIP TRAFFIC STRIPE, 5 IN, WHITE	6345.15
652-9001	7436	SY	1.56	TRAFFIC STRIPE, WHITE	11600.16

652-9002	3270	SY	1.26	TRAFFIC STRIPE, YELLOW	4120.2
653-0120	66	EA	56.46	THERMOPLASTIC PVT MARKING, ARROW, TP 2	3726.36
653-0170	25	EA	79.44	THERMOPLASTIC PVT MARKING, ARROW, TP 7	1986
654-1001	578	EA	3.2	RAISED PVT MARKERS TP 1	1849.6
654-1003	752	EA	3.19	RAISED PVT MARKERS TP 3	2398.88
Section Sub Total					\$90,296.37

Total Estimated Co \$15,325,966.15

# **SUBTOTAL**

**Construction Cost** \$15,325,966.15

E&C Rate (in %) 10%

\$1,532,596.62

Inflation Rate (in %) 5% - 3 Years

\$2,415,755.41

**Total Construction Cost** \$19,274,318.18

Right Of Way \$ \$ 4,000,000.00

ReImb. Utilities \$ \$ 27,500.00

**Grand Total Project Cost** \$23,301,818.18

## NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT: EDS-441(49) CLINCH COUNTY  
P. I. NO. 422410

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above projects.

Date of Location and Design Approval: May 24, 2005

### Description of the proposed project:

EDS-441(49) in Clinch County is proposed to improve US 441 from CR 40/Tower Road & CR 204/Antioch Church Road, where it ties to Project EDS-441(48), to Wheeler Street in Homerville, Georgia. The total project length is 11.4 miles. Improvements consists of widening the existing two-lane US 441/SR 89 to a four-lane roadway with a 44 ft. depressed grassed median. Approximately 3500 feet north of the new intersection of US 441 and US 221/SR 31, the typical section tapers down to a 4-lane section with a 32 ft. median. Then, just south of the intersection of US 441 and CR 194/Bypass Road, the typical section tapers down to a 5-lane section with a 14 ft. flush median to minimize impacts to residential properties within the Homerville city limits as well as to adjacent wetlands. This section would continue to Wheeler Street in Homerville where it will tie to the proposed 5-lane section of Project EDS-84(20). Widening of the existing roadway changes sides occasionally, throughout the project, in order to minimize the impacts to adjacent wetlands, historical resources and to minimize displacements.

The project is located in Land Lots, 412, 453, 484, 498, 499, 512, 514, 524, 525, 557, 558, 558, 594 and 595 of the 7 & 12<sup>th</sup> Land District of Clinch County.

Drawings of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Mr. Jerry Hughes, Area One Engineer  
1411 Madison Hwy  
Valdosta, GA 31601  
(229) 333-5287  
email: [jerry.hughes@dot.state.ga.us](mailto:jerry.hughes@dot.state.ga.us)

Any interested party may obtain a copy of the drawings or portions thereof by paying a nominal fee and requesting in writing to:

Mr. Mohammed (Babs) Abubakari, P.E.  
State Consultant Design and Program Delivery engineer  
No. 2 Capitol Square, Room 433  
Atlanta, GA 30334  
(404) 657-9750  
email: [babs.abubakari@dot.state.ga.us](mailto:babs.abubakari@dot.state.ga.us)

Any written request or communication in reference to this project or notice SHOULD include the Project and P.I. Number as noted at the top of this notice.